DANIEL HERTZ M2 SPEAKER
DANIEL HERTZ M3 18″ SUBWOOFER

OWNER'S MANUAL

DANIEL HERTZ SA
Switzerland

Please read this manual before using your Daniel Hertz M2 and M3 speakers.

The information in this manual will help you get the full benefit from your investment.

Daniel Hertz is dedicated to complete customer satisfaction. Thank you for choosing Daniel Hertz equipment, and for taking the time to read this manual.

The Daniel Hertz Team

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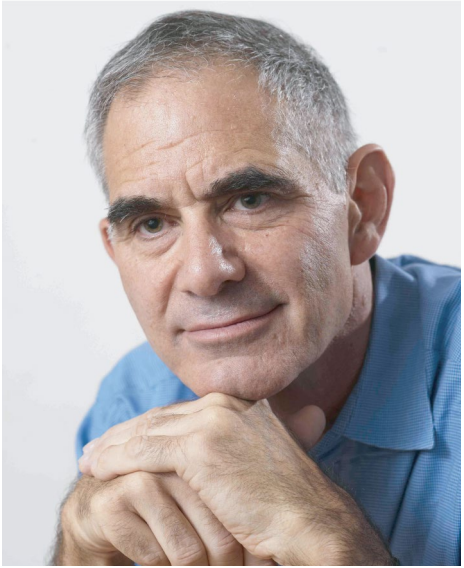
Welcome

Welcome to the world of Daniel Hertz SA of Switzerland. You have joined a family of people with high expectations who have searched for the ultimate audio equipment to enhance their love of music. Daniel Hertz introduces new concepts and designs to both the residential and professional audio world so that, for the first time in audio history, both music lovers at home and recording professionals in the studio can use the same equipment to reproduce their music without compromise.

The Daniel Hertz M2 and M3 offer similar performance to the flagship M1 in a compact, discreet and elegant form factor. The Daniel Hertz M2 can be used alone as a stereo speaker, or in combination with the M3 18" subwoofer for the last word in deep and powerful bass reproduction. The



Daniel Hertz M2 and 3 are built with the absolute highest quality of construction and finish, and are designed for decades of trouble free use. Daniel Hertz engineers and craftspeople work to standards of quality rarely found in the audio world.

The Daniel Hertz team and I thank you for your faith and trust in our work. Should you have any questions or need assistance at any time, please do not hesitate to contact your Daniel Hertz store or distributor, or you may email the factory at info@danielhertz.com. It is our pleasure to assist you at any time now and in the future. Your purchase of the Daniel Hertz M1 speaker is just the beginning of a long relationship. We are at your service.

Sincerely,

Mark Levinson
Director
Daniel Hertz SA

Overview

Daniel Hertz is dedicated to reproducing music with unprecedented faithfulness and emotional impact. Our philosophy is based on quality, simplicity and putting the customer first.

Daniel Hertz components can be used seperatley with other audio equipment, but are optimized to work together as complete systems. The sonic result is carefully tuned to perfection. This level of performance cannot be obtained by accident, i.e. mixing and matching components. The system approach produces the most natural sound, extreme ease of operation, the highest reliability, and classical design which is always pleasing to the eye. Daniel Hertz engineers and craftspeople fine tune the sonic quality of each component with science and the ear.

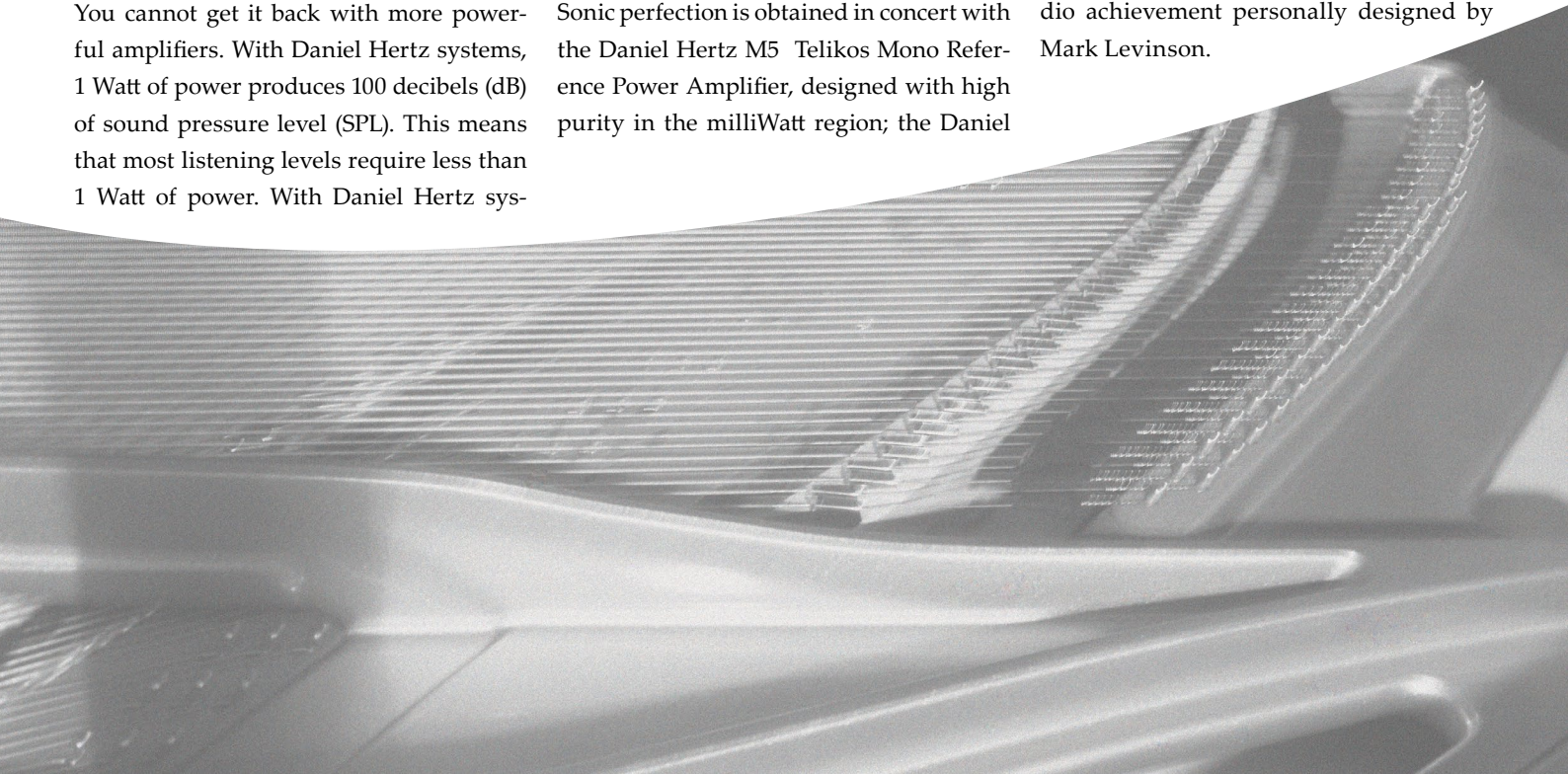
The ultimate test is recording a musical event and playing it back. When you hear the live preformance and then the playback with Daniel Hertz,it truly sounds and feels like the musicians are in the room. No other audio system can equal this achievement.

Daniel Hertz introduces a revolutionary breakthrough: the first high efficiency audio systems with extremely natural sound. Until now, people had to choose between systems that had pleasing sound but lacked vitality, or systems with more vitality but

lacking natural sound. New high efficiency speaker technology is the foundation of Daniel Hertz systems. It is important to understand why high efficiency is important. The lower the efficiency of a speaker, the more electrical energy is turned into heat. Whatever is turned into heat is lost. You cannot get it back with more powerful amplifiers. With Daniel Hertz systems, 1 Watt of power produces 100 decibels (dB) of sound pressure level (SPL). This means that most listening levels require less than 1 Watt of power. With Daniel Hertz systems, you hear the beginnings of notes, the full body of the sound, the details and harmonics and the most subtle sounds like never before. You have real connection with what the musicians are doing, and experience what they intend.

Sonic perfection is obtained in concert with the Daniel Hertz M5 Telikos Mono Reference Power Amplifier, designed with high purity in the milliWatt region; the Daniel Hertz M6 1 MegOhms Preamplifier, a new design with ultra-transparent sound and zero audible noise; the Daniel Hertz Silver 1 pure silver litz interconnects; and Daniel Hertz Premium 500 speaker cable.

Daniel Hertz is the most advanced audio achievement personally designed by Mark Levinson.



Product Description

The Daniel Hertz M2 speaker is a 2 way design using a high frequency compression driver and a 12″ woofer. The M3 is an 18″ subwoofer feauring a new 18″ high efficiency driver combining awesome power with maximum resolution and detail.

The M2 and M3 feature a high gloss piano finish identical to a 9′ concert grand piano, with solid stainless steel hand polished bezels. The black piano finish alone takes two months to apply, layer by layer. The M2 is a superb addition to the most beautiful homes, and is equally enjoyable in a large living room or small listening space.

The M2 and M3 include hand polished solid stainless steel driver bezels. All plates, screws and bolts are stainless steel. The stainless steel bezels add rigidity to the 18″ and 12″ woofers, and provide ideal wave guide termination for the high frequency compression driver horn.

Positioning the M2 and M3 speakers

The M2 can be placed against a wall or spaced out from the wall. A popular choice is to use the M3 as a base for a large flat screen LCD TV, with an M2 on either side. Ideally, the distance between the two speakers (left and right) should be around the same as the distance from either speaker to the center listening position. Speaker seperation of 2 to 3 meters is typical, but can be varied according to the room and the listening area requirements.

The M2 projects sound across long distances with focused dispersion and very little loss. This makes positioning more flexible than normal speakers. The M2 and M3 should sit flat on the floor or carpet. The M3 can go anywhere in the room as it operates below 80Hz. At this frequency and below, the sound is omnidirectional and cannot be localized. Your Daniel Hertz specialist will assist you in ideal placement of the M2 and M3.

Surround sound

The Daniel Hertz M2 and M3 are designed for both music and home theater applications. Five M2 speakers and one M3 18″ Subwoofer provide the ultimate 5.1 home theater listening experience.

Consumer home theater systems are compromised by technology that has many shortcomings compared to commercial theater sound. Daniel Hertz reproduces film sound tracks the way the filmakers intend.

See the Daniel Hertz Surround Sound brochure for details.

Connections to the amplifiers

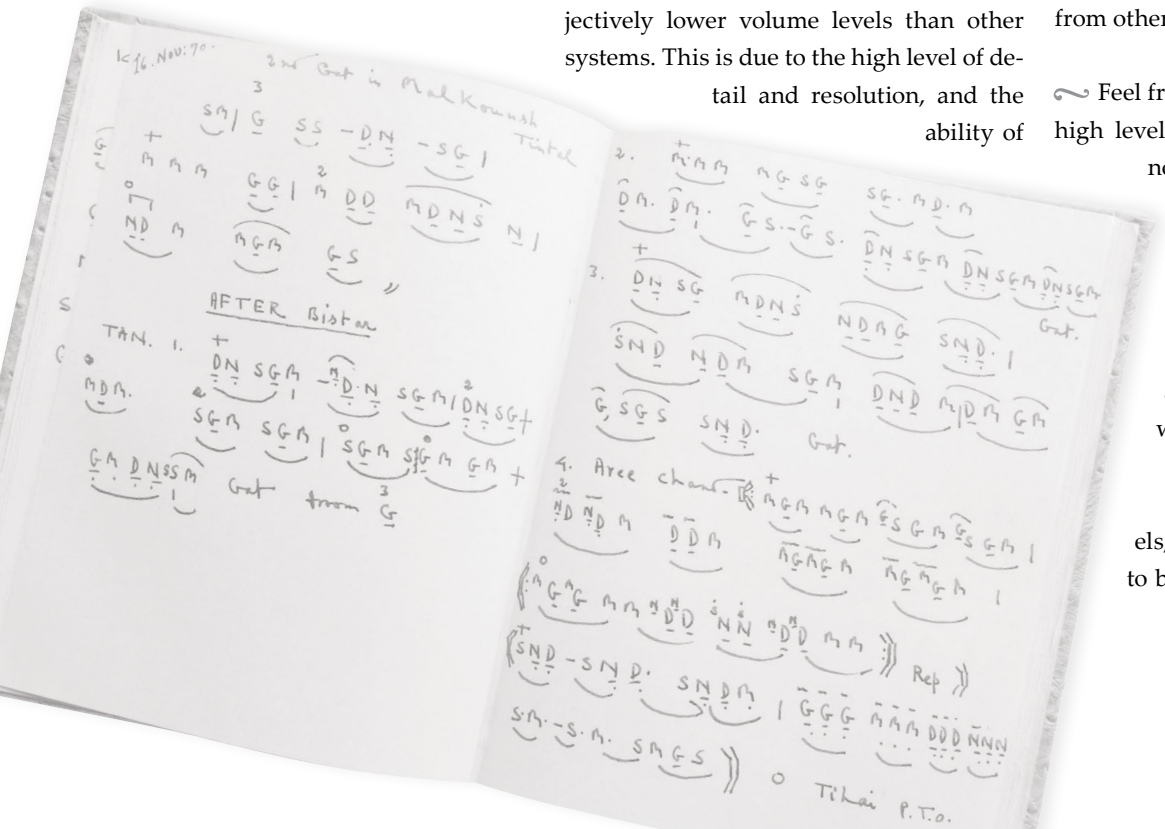
One Daniel Hertz M5 TELIKOS mono power amplifier is required for each M2 speaker. One channel of M5 power amplifier is required for the M3. Daniel Hertz Premium 500 speaker cable shoud be used for these connections.

Stereo Configuration: Connect the Main Outputs of the M6 preamplifier to the Inputs of the M5 amplifiers with Daniel Hertz Silver 1 cable. Set the M5 front panel filter switch to FLAT. Set the front panel M5 attenuators to 0dB.

2.1 Configuration: As above, but with the following changes: a) in addition, connect the MONO subwoofer output of the M6 Preamplifier to the input of the M5 driving the M3. b) Set the filter switch of the M5's driving the M2's to HPF (High Pass Filter) . c) Set the filter switch of the M5 driving the M3 to LPF (Low Pas Filter). d) The front panel attenuator of the M5's driving M2's should be set to -2dB, and e) the front panel attenuator of the M5 driving the M3 should be set to -0dB. (The 2dB compensates for the difference in efficiency due to the large mass of the 18" subwoofer cone.)

Operating Notes

Keep the volume control of the preamplifier at OFF when the system is not being used, or at a very low level.



Raise the volume to the desired level. The M2 and M3 can play effortlessly with extreme power. It is better to raise the volume than to lower it!

You might play the M2 and M3 at subjectively lower volume levels than other systems. This is due to the high level of detail and resolution, and the ability of the M2 and M3 to capture the peaks and beginnings of notes. The distortion is so low that it is easy to turn the volume up too high. Don't be surprised if you start listening and then turn down the volume. Listening on the M2 and M3 is different from other speakers.

Feel free to turn up the volume to very high levels if you wish. Most people do not dare to turn up the volume, as they think the speaker will break. But if you continue to turn up the volume slowly, a little at a time, you will discover that it is possible to generate awesome sound pressure levels without stress or distortion.

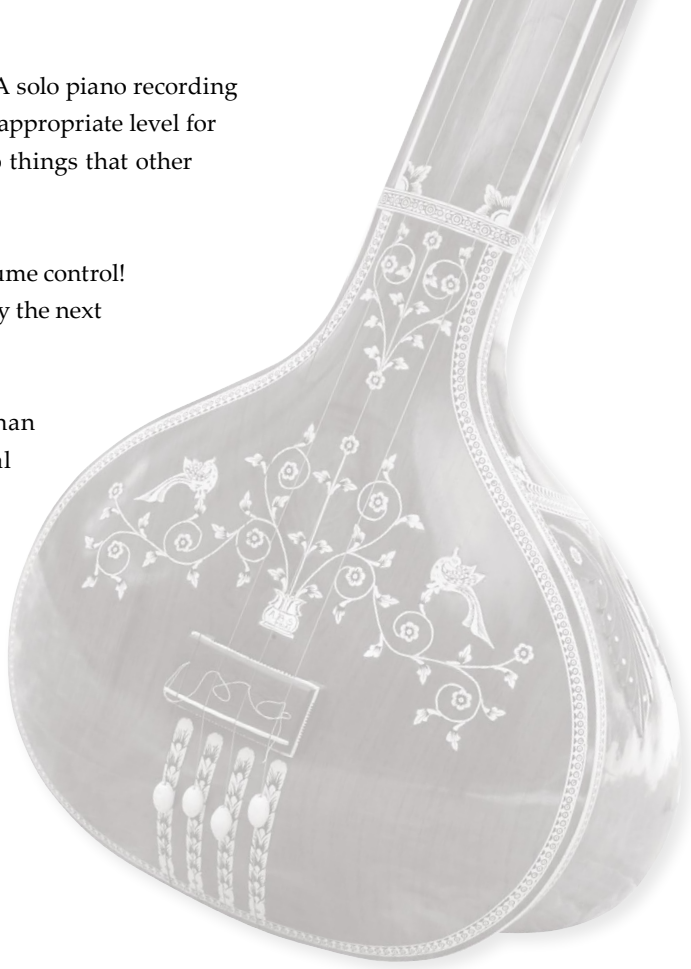
For playing at loud volume levels, choose music that is intended to be played like that. For example,

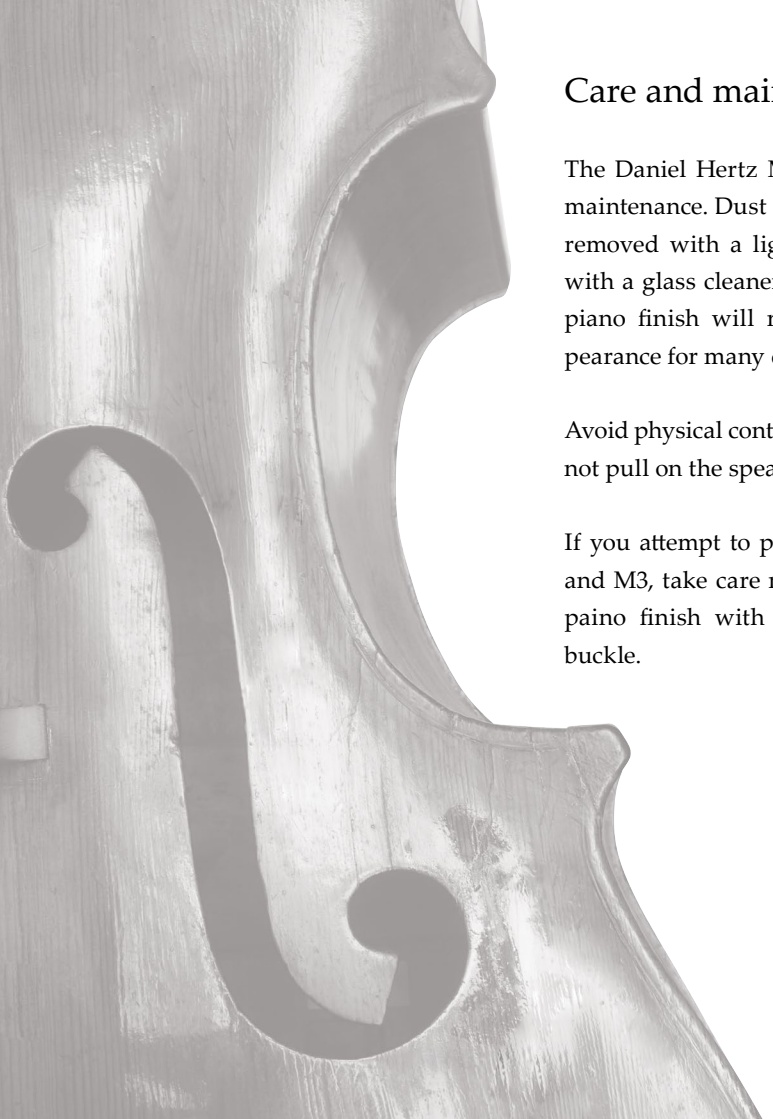
a pop track like “Burn” by Usher sounds incredible at very loud levels. A solo piano recording by Artur Rubinstein will sound terrible played at such a level. Find the appropriate level for the music you want to hear. Keep in mind that the M2 and M3 will do things that other speakers cannot do.

After listening a high volume levels, remember to turn down the volume control! Otherwise, you might scare yourself (and your neighbors) when you play the next selection.

The M2 and M3 are friendly to a much wider variety of recordings than most speakers. Vintage recordings can come to life. Historical material becomes a new listening experience. Pop tracks can be reproduced at studio levels. You hear all the details in DVD and Blu-ray sound tracks. Compressed music files (MP3, AAC) can sound remarkably good.

Music can be enjoyed anywhere in the room. You do not have to sit in a particular spot for musical enjoyment. For the ultimate listening experience, the ideal listening position is on center, 2M to 4M from the speakers. The M2 projects the sound all the way to the back of the room so you do not have to sit close to hear all the details. Listening closer to the M2 provides a more intimate experience.





Care and maintenance

The Daniel Hertz M2 and M3 require no maintenance. Dust and fingerprints can be removed with a light furniture polish or with a glass cleaner such as Windex. The piano finish will retain factory new appearance for many decades.

Avoid physical contact with the drivers. Do not pull on the speaker cables.

If you attempt to physically move the M2 and M3, take care not to scratch the black paino finish with a watch, ring or belt buckle.

Technical support

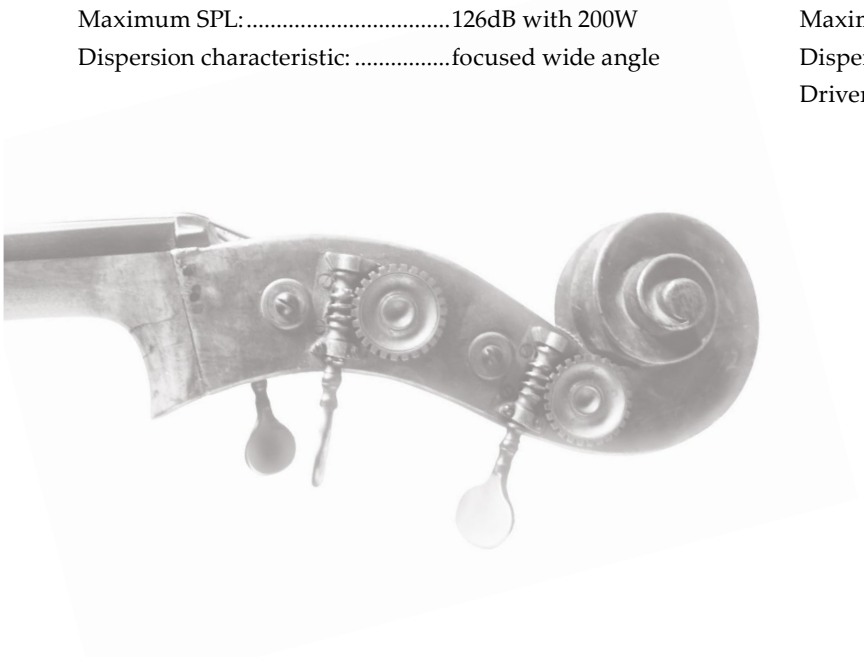
If you have questions or problems, contact your Daniel Hertz specialist immediately. Please do not under any circumstances attempt to disassemble the speakers or remove drivers! If your Daniel Hertz specialist is not available and your need is urgent, feel free to contact Daniel Hertz directly at info@danielhertz.com. Email is usually answered within hours. If you supply a phone number, we will call you anywhere in the world. We use Skype as well. It is best to give us a description of the problem or issue you have so that we can prepare to assist you in the best way.

If a driver is mechanically damaged, it must be replaced according to factory instructions by a qualified technician.

In practice, service for the M2 and M3 is not needed. They are extremely robust and typically immune to probems encountered with conventional speakers.

Daniel Hertz M2 Speaker Specifications

Height: .....750mm (29.5″)
Width: .....5450 mm (17.7″)
Depth: .....380 mm (15″)
Weight:.....60 kg (unpacked)
Sensitivity:.....100dB/1W/1M
Input impedance:.....8 Ohms nominal
Connectors: .....3-way binding posts
Frequency response:.....80Hz to 2OkHz
Maximum SPL:.....126dB with 200W
Dispersion characteristic: .....focused wide angle



Daniel Hertz M3 18″ Subwoofer Specifications

Height: .....750mm (29.5″)
Width: .....880mm (34.7″)
Depth: .....470 mm (18.5″)
Weight:.....80 kg (unpacked)
Sensitivity:.....98dB/1W/1M
Input impedance:.....8 Ohms nominal
Connectors: .....3-way binding posts
Frequency response:.....20Hz to 8OHz
Maximum SPL:.....greater than 126dB
Dispersion characteristic: .....focused wide angle
Driver Diameter.....465mm (18″)

DANIEL HERTZ SA

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